Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/25/2018 11:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124750	-1	1.15	124820	1.16
Blue	F	SSC	125000	124036	-1	1.71	124705	1.71
Blue	E	FITC	15760	15581	-2	2.83	336	22.15
Blue	D	PE	25880	25307	-3	1.88	551	16.89
Blue	B	PerCP-Cy5-5	34075	34297	0	4.18	1049	22.28
Blue	A	PE-Cy7	22776	22926	0	7.36	556	44.59
Red	C	APC	42488	41876	-2	2.81	1590	13.71
Red	A	APC-Cy7	24478	24208	-2	3.16	828	13.36
Violet	B	V450	6304	6150	-3	4.08	354	17.99
Violet	A	V500	26005	25299	-3	3.57	596	13.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20462	4.59	605	8	N/A	N/A	Pass
Blue	F	SSC	56239	1.16	569	14	N/A	N/A	Pass
Blue	E	FITC	58	74.13	561	5	0.0163	197	Pass
Blue	D	PE	115	57.16	554	5	0.1221	276	Pass
Blue	B	PerCP-Cy5-5	199	53.91	654	7	0.0076	65	Pass
Blue	A	PE-Cy7	110	108.85	707	10	0.0093	24	Pass
Red	C	APC	375	28.53	605	5	0.0184	100	Pass
Red	A	APC-Cy7	203	29.31	576	5	0.0045	971	Pass
Violet	B	V450	58	75.31	494	5	0.0215	1687	Pass
Violet	A	V500	89	43.24	511	5	0.0128	828	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.66	-31.13	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	15.47	13.60 - 20.40	N/A	N/A	30.81	31.48	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11957

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments